tion in the sheep drinking trough water. Both animals were actually handled and closely examined by three persons, all having had more than adequate experience with the large Maeropodidae to enable positive identification. Those concerned were R. Prince, Department of Zoology, University of Western Australia; J. Long, Agriculture Protection Board, and myself. Both animals were released in a nearly recovered state shortly after examination.

It is perhaps relevant to note that exceptionally heavy and welldistributed rain had fallen over the pastoral areas during the preceding winter and summer months.

-A. J. OLIVER, Department of Agriculture, Wiluna.

Leaf Carrying by Neophema splendida.—For the past three years my wife and I have observed our female aviary-bred Searletchested Parrots (Neophema splendida) biting green leaves off various growing shrubs, i.e., Climbing Honeysuckle, Cotoneaster, Mandarin, Tree Lueerne, Hibiscus, Cumquat and Euealypts. Small leaves only are ehosen. Each leaf is nipped off and twirled around with a eireular motion in the bill either to render it pliable or to position it appropriately. The leaf is then tucked under the rump feathers. Many leaves fall to the ground, but when several leaves are aboard the bird flies to the nesting site and deposits its burden therein. This behaviour is only evident when eggs are in the nest. Inspection of nesting logs or boxes reveals only a few leaves, so presumably the green matter is to supply humidity and is not for nest building.

Most aviculturists keep these lovely parrots, incorrectly I think, in aviaries devoid of growing shrubs. Therefore, observation of this behaviour is apparently limited. However, R. Graham of Rivervale informs me he has observed a female in his aviary piek, and carry at the one time in a similar manner, seventeen green Vietorian Tea Tree leaves. The behaviour resembles that of the African parrot genus Agapornis.

-A. Y. PEPPER, Searborough.

The Shortbill Spearfish, *Tetrapturus angustirostris*, from Western Australia.—On August 27, 1965, Mr. C. H. Johnston observed a fish in difficulties in shallow water inside the reef at North Cottesloe. He managed to eapture the fish by hand, and then notified the press of his find. A photograph was published in *The West Australian* on August 28, 1965. The W.A. Museum was notified of the capture, and the speeimen was donated for further study. Unfortunately, the head and first anal fin had been removed, one side skinned, and the fish eompletely gutted.

The fish was an immature male shortbill spearfish. *Tetrapturus angustirostris* Tanaka, the first record for Australian waters, and second record of the species for the Indian Ocean. To my knowledge this is the first specimen to be taken in shallow coastal waters in any part of the world. Jones and Silas (1962: 73) give the distribution of this species as: Japan south of 35°N. latitude; Formosa; Philippines; Eastern Indian Ocean (lone record from Lat 25° 13' S., Long, 99° 83' E.); eastwards, Baja California and Chile.

Mr. Johnston described the colour of the fish as "a beautiful blue eolour, and silvery white below". The fins are without markings and the body shows no evidence of stripes or other markings. The under surface of the head and belly was silvery to white. Pelvie fins were a bright royal blue when fresh, but rapidly became a blue-black eolour.

Meristie data: Dorsal, XLIX; 6. Anal, 11, 8 + (damaged); 7. Pectoral, 17. Pelvie, 1. This agrees well with the eounts given for this species by Jones and Silas (ibid.: 73).

Measurements in millimetres (measured between perpendieulars from given points): Snout tip to: caudal fork, 1,140; upper tail notch, 1,072; seeond dorsal fin origin, 938; seeond anal fin origin, 920; first anal fin origin, 710 approximately; vent, 620 approximately; posterior margin of operele, 287; posterior margin of preoperele, 235; first dorsal fin erigin, 240; posterior margin of maxillary, 187; anterior margin of orbit, 156; anterior margin of nostril, 140; tip of mandible, 42.

Diameter of orbit, 32; interorbital space (bony interorbital), 44; width of bill opposite tip of mandible, 11.5; depth of bill opposite tip of mandible, 8; least depth of caudal pcdunele, 33; least width of eaudal pedunele, 22.

Length of: upper eaudal keel, 32; lower eaudal keel, 31; sccond dorsal fin first ray, 33; second dorsal fin last ray, 45; seeond dorsal fin base, 50; first anal fin first ray, 74; second anal fin first ray, 30; sceond anal fin last ray, 42; second anal fin base, 48; pcetoral fin, 104; pelvie fin, 258.

These measurements were compared, where possible, with the morphometric measurements given by Royce (1957: 541, 548) and three dimensions were found to be outside the range of Royee's specimens. These were: snout tip to anterior margin of orbit 13.7% of fork length instead of 14.2-14.3% (two specimens); length of peetoral fin 9.1% of fork length instead of 11.3-13.3% (eight specimens); length of pelvic fin 22.6% of fork length instead of 20.3-21.9% (four specimens).

The small size of the Western Australian example (1,140 mm.) may explain the differences in proportions described above, as Royee's Paeific speeimens ranged from 1,470 mm. to 1,857 mm. in length to the caudal fork.

The speeimen is registered P.13909 in the Western Australian Musuem.

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-R. J. McKAY, Western Australian Museum.